

## ABSTRACT OF THE DISCLOSURE

A mixture of indium metal and titanium metal is fused to the inner surface of a quartz envelope of a mercury vapor discharge lamp.

Drawing designators (informal list)

Hg mercury

Ne neon gas

Ar argon gas

N nitrogen gas

20 quartz tube

24 nitrogen gas source

28 delivery tube

32 pipe

36 stopper, rubber

38 flows, arrow

42 indium wire

48 inner surface

50 quartz wall

52 clean area

54 flame

56 gas burner

60 outside surface

64 end of titanium wire

66 titanium wire

70 insulated sleeve

74 operator's fingers

80 wire lead

82 wire lead

84 wire lead

86 wire lead

90 element, sintered mixture

92 element, ribbon

106 target

108 envelope, elongated  
110 lamp, germicidal  
112 sealed  
114 electrode  
115 stem  
116 electrode  
117 stem  
118 quartz tube  
119 press seal  
120 inside surface of tube 118  
122 wall of tube 118  
124 annular base of stem  
126 annular base of stem  
128 small area  
130 end of tube 118  
132 end of tube 118  
140 opening in stem  
142 exhaust tube  
148 quartz tube  
156 envelope  
160 press seal  
162 wire leads  
166 electrode  
168 exhaust tube  
172 hole